

### Claim Amendments

Applicant has amended claims 1, 3, 9, 27, 31-33, 37-41, 43-44, 48 and 50, and has cancelled claims 2, 28-30 and 51-52 without prejudice. Applicant sets forth below a complete listing of the claims with the corresponding status indicated for each claim.

1. (Currently Amended) A method of merging document files into a printing workflow, the method comprising ~~the steps of~~:

providing a plurality of document files, ~~each of said files~~ comprising one or more pages, at least one of said document files a scan file comprising any of a scanned document file and a scanned image file, wherein said scan file is a raster data file;

optionally, converting said scan file to any of a bitmap file and a page description language (PDL) file;

providing at least one additional file, said additional file comprising any of another scan file and a pre-existing print file, said additional file comprising any of a raster data file, a bitmap file and a PDL file;

displaying an image of each page of each of said document files;

selecting at least one page from each of at least two of said document files; and

combining said selected pages in a desired order, wherein said scanned files are merged with said document files on a page-by-page basis so that said combined pages comprise a new document file.

2. (Cancelled)

3. (Currently Amended) The method of Claim 2 1, wherein the step of providing said scan file comprises the steps of:

providing a scanning device and a color print server;

scanning a document, wherein a user initiates and customizes a scan using a first software module; and

storing said scan file.

4. (Original) The method of Claim 3, wherein said first software module resides on said print server and includes a user interface, said user interface comprising

any of a GUI connected to said server, an LCD panel mounted on said print server and a control panel on said scanning device.

5. (Original) The method of Claim 3, wherein said first software module resides on said print server, said print server being embedded in a color copier, an interface to said first software module comprising a control panel to said color copier.

6. (Original) The method of Claim 3, wherein said first software module resides on a client workstation in communication with said print server, said software module including a GUI.

7. (Original) The method of Claim 3, wherein said scan file is stored on a mass storage device connected to said print server.

8. (Original) The method of Claim 3, wherein said scan file is stored on a mass storage device connected to said workstation.

9. (Currently Amended) ~~the~~ The method of Claim 3, wherein said scan file is stored to a network location specified by said user.

10. (Original) The method of Claim 3, wherein said scanner is equipped with an automatic document feeder (ADF).

11. (Original) The method of Claim 3, wherein said scanner comprises any of the platen of a copying machine and a dedicated scanner.

12. (Original) The method of Claim 3, wherein said scanner is connected to said print server.

13. (Original) The method of Claim 3, wherein said scanner is connected to said workstation.

14. (Original) The method of Claim 3, wherein said document scanning step comprises the steps of:

- specifying a scanning device;
- specifying one of image scan and document scan;
- specifying video-based image modifications to be made during said scan, said modifications including compression and color space transformations;
- specifying scan mode;
- specifying resolution;
- specifying any of single sided and duplex;
- specifying page orientation;
- specifying a destination for said scan file; and
- executing a scan document command.

15. (Original) The method of Claim 14, wherein said destination specifying step comprises at least one of:

- specifying a file name for said scan file;
- specifying a PDL format for said scan file;
- specifying a network location for said scan file;
- specifying an address for email notification of said scan file's location; and
- specifying a fax destination for said scan file.

16. (Original) The method of Claim 3, wherein the step of providing said scan file further comprises the step of retrieving said stored scan file from a mailbox, said scan file being temporarily stored in said mailbox.

17. (Original) The method of Claim 16, further comprising the step of modifying said scan file, said modifications including:

- scan mode;
- brightness;
- threshold;
- contrast;
- scaling;

specifying source type;  
color conversion;  
rotate;  
crop;  
unsharp mask;  
deskewing;  
file format; and  
compression format.

18. (Original) The method of Claim 3, wherein said images comprise thumbnail images of said pages, and wherein said selection step comprises selecting thumbnail images corresponding to desired pages using a pointing device, wherein said thumbnail images are displayed by one of said first software module and a second software module.

19. (Original) The method of Claim 18, wherein said pointing device comprises a mouse.

20. (Original) The method of Claim 18, wherein said combining step comprises using said pointing device to drag said selected thumbnail images so that they are placed in a desired order, and wherein said corresponding pages are assembled in the same order.

21. (Original) The method of Claim 20, further comprising the step of:  
saving merging instructions generated by said combining step as a merge template, wherein said merge template is usable at a future time with another set of document files.

22. (Original) The method of Claim 1, wherein said combining step comprises selecting and applying a previously created merge template, said merge template comprising instructions for combining said selected pages in a specified order.

23. (Original) The method of Claim 22, said merge template further comprising at least one of:

- instructions for imposing multiple pages on a single sheet;
- instructions for resizing pages;
- specified color choices;
- specified layout options; and
- specified print options.

24. (Original) The method of Claim 1, wherein said combining step comprises the steps of:

- providing scripted merging instructions; and
- applying said scripted merging instructions;
- wherein said merging instructions comprise instructions for combining pages in a specified order and at least one of:

- instructions for imposing multiple pages on a single sheet;
- instructions for resizing pages;
- specified color choices;
- specified layout options; and
- specified print options.

25. (Original) The method of Claim 1, wherein said combining step comprises the steps of:

- creating merging instructions using a workflow application; and
- applying said merging instructions;
- wherein said merging instructions comprise instructions for combining pages in a specified order and at least one of:

- instructions for imposing multiple pages on a single sheet;
- instructions for resizing pages;
- specified color choices;
- specified layout options; and
- specified print options.

26. (Original) The method of Claim 3, wherein said page description language comprises any of POSTSCRIPT (PS), Portable Document Format (PDF) and Page Construction Language (PCL).

27. (Currently Amended) A system for merging scan files into a printing workflow comprising;

a print server;

a client workstation in communication with said print server;

a scanning device, said scanning device connected to one of said workstation and said print server;

means a first software module for initiating and customizing scans, said scans performed by said scanning device to create scan files; and

means a second software module for merging said scan files with document files on a page-by-page basis so that a single, merged document file is produced;

wherein:

said scan files and said document files include one or more pages;

said second software module displays images of said pages, so that a user may select at least one page from at least one scan file and at least one page from at least one document file and combine said selected pages in a desired order, said combined pages comprising a new document file;

said at least one scan file comprises a raster data file that is convertible to any of a bitmap file and a PDL file, and further comprises any of a scanned document file and a scanned image file; and

at least one additional file is provided, said additional file comprising any of another scan file and a pre-existing print file, said additional file further comprising any of a raster data file, a bitmap file and a PDL file.

28-30. (Cancelled)

31. (Currently Amended) The system of Claim ~~30~~ 27, wherein said first software module resides on said print server, and includes a user interface, said user interface comprising any of: a GUI (Graphical User Interface) connected to said print

server, an LCD panel connected to said print server and a control panel on said scanning device.

32. (Currently Amended) The system of Claim ~~30~~ 27, wherein said first software module resides on said client workstation, said second software module including a GUI.

33. (Currently Amended) The system of Claim ~~30~~ 27, wherein a user initiates a scan from said first software module and stores the resulting scan file.

34. (Original) The system of Claim 33, wherein said scan file is stored on a mass storage device connected to said print server.

35. (Original) The system of Claim 33, wherein said scan file is stored on a mass storage device connected to said workstation.

36. (Original) The system of Claim 33, wherein said scan file is stored at a network location specified by said user.

37. (Currently Amended) The system of Claim ~~30~~ 27, wherein said scanning device includes an automatic document feeder.

38. (Currently Amended) The system of Claim ~~30~~ 27, wherein said scanning device comprises any of the platen of a copying machine and a dedicated scanner.

39. (Currently Amended) The system of Claim ~~30~~ 27, wherein said scanning device is connected to said print server.

40. (Currently Amended) The system of Claim ~~30~~ 27, wherein said scanning device is connected to said workstation.

41. (Currently Amended) The system of Claim ~~30~~ 27, said means for initiating and customizing scans further comprising means for:

- specifying a scanning device;
- specifying one of image scan and document scan;
- specifying video-based image modifications to be made during said scan, said modifications including file compression format and color space transformations;
- specifying scan mode;
- specifying resolution;
- specifying one of single-sided and duplex;
- specifying page orientation;
- specifying a destination for said scan file; and
- executing a scan document command.

42. (Original) The system of Claim 41, wherein said means for specifying a file destination further comprises at least one of:

- means for specifying a file name for said scan file;
- means for specifying a mailbox for said scan file, said mailbox comprising a designation for a storage location of said scan file;
- means for specifying a PDL format for said scan file;
- means for specifying a network location for said file;
- means for specifying an address for email notification of said scan file's location; and
- means for specifying a fax destination for said file.

43. (Currently Amended) The system of Claim ~~30~~ 27, said means for initiating and customizing a scan file further comprising means for retrieving and modifying said scan file, said modifications including:

- scan mode;
- brightness;
- threshold;
- contrast;
- scaling;



specifying source type;  
color conversion;  
rotate;  
crop;  
unsharp mask;  
deskewing;  
file format; and  
compression format.

44. (Currently Amended) The system of Claim ~~30~~ 27, further comprising a pointing device, said images comprising thumbnail images of said pages, wherein said user selects thumbnail images corresponding to desired pages using said pointing device.

45. (Original) The system of Claim 44, wherein said pointing device comprises a mouse.

46. (Original) The system of Claim 44, wherein said user combines said pages by using said pointing device to drag said selected thumbnail images so that they are placed in a desired order, and wherein said corresponding pages are assembled in the same order.

47. (Original) The system of Claim 46, further comprising a merge template, said merge template comprising merging instructions generated and saved during said combining of pages.

48. (Currently Amended) The system of Claim ~~30~~ 27, further comprising at least one previously saved merge template, wherein said merge template is selected, and includes instructions for combining said selected pages in a specified order.

49. (Original) The system of Claim 48, said merge template further comprising at least one of:

instructions for imposing multiple pages on a single sheet;  
instructions for resizing pages;  
specified color choices;  
specified layout options; and  
specified print options.

50. (Currently Amended) The system of Claim ~~30~~ 27, wherein said page description language comprises any of POSTSCRIPT (PS), Portable Document format (PDF) and Page Construction Language (PCL).

51-52. (Cancelled)